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Sheet 1 of 1

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0 2003	(Use several sheets	if necessary)	Filing Date Octob	per 12, 1999	Group Art U	CHNO12	GY CEN
. est.		U.S. PAT	ENT DOCUMENTS)			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DA	ATE OPRIATE
0_	5,521,427	05/1996	Chia et al.				
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Sheet 1 of 1 Docket Number (Optional) **Application Number** 3770.2 (97-0332.2) 09/416,368 TION DISCLOSURE CITATION Applicant Corisis et al. N AN APPLICATION Use several sheets if necessary) Filing Date October 12, 1999 FAT & TRADEN **U.S. PATENT DOCUMENTS** EXAMINER INITIAL DOCUMENT NUMBER DATE NAME CLASS SUBCLASS 4,958,214 18 Sept 1990 Ries et al. 5,521,428 28 May 1996 Hollingsworth et al. FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER Translation DATE COUNTRY CLASS SUBCLASS YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) **EXAMINER DATE CONSIDERED** 12-19-2

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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-	Complete if Known	
Application Number	09/416,368	
Filing Date	October 12, 1999	
First Named Inventor	David J. Corisis et al.	-
Group Art Unit	2827	
Examiner Name	D. Graybill	
Attorney Docket Number	3770.2US (97-0332.2)	

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Examiner Initials *	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
	140.	Number - Kind Code ² (if known)			Figures Appear
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Examiner Cite Initials* No.1	Cite	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	
	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known Application Number 09/416,368 Filing Date October 12, 1999 First Named Inventor David J. Corisis et al. Group Art Unit 2827 Examiner Name D. Graybill 3770.2US (97-0332.2) Attorney Docket Number

Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of	
Initials *	No.1	Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Examiner Cite Initials* No.1	Cite	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	
	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶	
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	Complete if Known	
Application Number	09/416,368	
Filing Date	October 12, 1999	
First Named Inventor	David J. Corisis et al.	
Group Art Unit	2827	
Examiner Name	D. Graybill	
Attorney Docket Number	3770.2US (97-0332.2)	

Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant
Initials *	No.1	Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear
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Examiner	Cite	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	
Initials*	Contra la	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date wn) MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶
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	Complete if Known	
Application Number	09/416,368	
Filing Date	October 12, 1999	
First Named Inventor	David J. Corisis et al.	
Group Art Unit	2827	
Examiner Name	D. Graybill	
Attorney Docket Number	3770.2US (97-0332.2)	

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No.1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
(US- 6,040,618	03/21/2000	Akram	Figures Appear
0		US- 6,042,387	03/28/2000	Jonaidi	
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FOREIGN PATENT DOCUMENTS						
Examiner Cite	Cite	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Substitute for form 1449A/PTO

Complete if Known Application Number 09/416,368 Filing Date October 12, 1999 First Named Inventor David J. Corisis et al. Group Art Unit 2827 **Examiner Name** D. Graybill 3770 2US (97-0332 2) Attorney Docket Number

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item Cite Examiner (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, T^{2} No.1 Initials * city and/or country where published. PUTTLITZ et al., "C-4/CBGA Comparison with Other MLC Single Chip Package Alternatives," IEEE Transactions on Components, Packaging, and Manufacturing Technology, May 1995, pps. 250-256, Part B, Vol. 18, No.2. GOLDMANN, Lewis S., "Statistical Model for the Inherent Tilt of Flip-Chips," Transactions of the ASME Journal of Electronic Packaging, March 1996, pps. 16-20, Vol. 118. NASIATKA et al., "Determination of Optimal Solder Volume for Precision Self-Alignment of BGA using Flip-Chip Bonding,"

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